

1. PRODUCT NAME, NUMBER, SYNONYM: Petroleum Spirits
2. MANUFACTURER'S NAME: Phillips Petroleum Company
3. MANUFACTURER'S ADDRESS: Avon Refinery, Martinez, California 94553
4. PROCEDURE IN CASE OF BREAKAGE OR LEAKAGE: Protect from ignition. Ventilate. Absorb in sawdust or earth.
5. TRANSPORTATION AND STORAGE REQUIREMENTS: Usual protection for flammable liquids being transported. Store at room temperature with adequate ventilation of area and means to control spills or leaks.
6. FIRST AID TREATMENT:
- A. SKIN CONTACT: Wash off with soap and water.
- B. EYE CONTACT: Irrigate with tepid running water for at least 15 minutes. If any irritation persists, obtain medical assistance.
- C. INHALATION: Remove to fresh air. Sniffing oxygen may aid in dissipating subjective effects. In case of unconsciousness, apply artificial respiration. Obtain medical assistance.
- D. ANTIDOTE IN CASE OF SWALLOWING: Do not induce vomiting. Obtain medical assistance. Under physician's direction, a vegetable oil may be administered orally to patient.
7. PHYSIOLOGICAL PROPERTIES:
- A. ACUTE ORAL TOXICITY: Ingestion may produce pulmonary irritation resulting from aspiration of the fluid into the lungs during ingestion. Delayed pulmonary edema may occur.
- B. LOCAL EFFECTS UPON EYES: A transient irritation of the conjunctival tissues of the eye may occur from a liquid content.
- C. LOCAL EFFECTS UPON SKIN: Single contact with liquid is innocuous. Prolonged or repeated contacts may dry out the skin and result in irritation and perhaps other dermatologic problems.
- D. ESTIMATE OF ACUTE HAZARD BY INHALATION (VOLATILE MATERIALS): Acute hazard is low unless the liquid temperature is markedly increased above ambient air temperatures or if the liquid is mechanically vaporized.
- E. WARNING PROPERTIES (ODOR, IRRITATION TO EYES, NOSE OR THROAT): This substance has no good warning properties.
- F. ESTIMATED THRESHOLD LIMIT VALUE (IF NOT ON CURRENT LIST BY AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS): 500 parts per million by volumes.
8. CHEMICAL AND PHYSICAL PROPERTIES:
- A. SPECIFIC GRAVITY (WATER = 1): 0.793
- B. VAPOR DENSITY (AIR = 1): 3.1
- C. VAPOR PRESSURE mm Hg AT 25°C: 10
- D. pH: Not applicable.
- E. CORROSIVE ACTION ON COMMON MATERIALS SUCH AS: ALUMINUM, MAGNESIUM, PLEXIGLAS, RUBBER, LACQUERS, ENAMELS, FABRICS: Extended contact with rubber may result in rubber swell or drying depending on rubber composition; and extended contact with lacquer or enamels may dull finish.

F. DOES THE MATERIAL DECOMPOSE WHEN EXPOSED TO AIR? WATER? HEAT? STRONG OXIDIZERS? oxygen or strong oxidants.

G. FOR MIXTURES GIVE THE PERCENTAGE COMPOSITION OF INGREDIENTS:

COMPOUND	PERCENT
Naphthenes	90.0
Paraffins	3.0
Aromatics	7.0

NOTE: GENERALIZATIONS SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES, CHLORINATED HYDROCARBONS, ETC., ARE NOT ADEQUATE FOR TOXICOLOGICAL EVALUATION. PROPER CHEMICAL NAMES MUST BE KNOWN.

H. DOES THE MATERIAL GENERATE HEAT THROUGH POLYMERIZATION OR CONDENSATION? No

9. PRECAUTIONS FOR NORMAL CONDITIONS OF USE: Usual for flammable liquids.

10. RECOMMENDED PROTECTIVE EQUIPMENT: Neoprene gloves, usually no eye protection needed.

11. A. FLASHPOINT °F: CLOSED CUP 100 minimum OPEN CUP _____; IF F.P. CHANGES DURING EVAPORATION GIVE DATA:

B. EXPLOSIVE LIMITS (% VOL. AIR): LOWER 1.1 ; UPPER 6.1

C. SUSCEPTIBILITY TO SPONTANEOUS HEATINGS: YES _____ ; NO No

D. FIRE POINT °F 125 ; AUTO IGNITION TEMPERATURE °F Approximately 500

E. VAPOR DENSITY 3.1

F. WHAT PRODUCTS MIGHT BE FORMED IN THE EVENT OF FIRE OR ABNORMAL TEMPERATURES? Usual for a gasoline.

G. SUITABLE EXTINGUISHING AGENTS: Dry chemical, CO₂, or Foam

12. INFORMATION FURNISHED BY: John W. Hale
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COMPANY: Phillips Petroleum Company
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Bartlesville, Oklahoma 74004
DATE:

NOTE: INFORMATION IN REGARD TO A MATERIAL'S COMPOSITION WILL BE TREATED AS CONFIDENTIAL AND USED FOR THE PURPOSE OF PROTECTING THE HEALTH AND SAFETY OF MCDONNELL DOUGLAS CORP. EMPLOYEES AND THE SAFEGUARDING OF ITS PROPERTY. IT WILL ALSO BE USED FOR THE PURPOSE OF COMPLYING WITH LOCAL, STATE AND FEDERAL ORDINANCES, LAWS AND CODES, AND REQUIREMENTS OF GOVERNMENTAL AGENCIES.

THE COMPLETED FORM SHOULD BE RETURNED TO PURCHASING, DOUGLAS AIRCRAFT DIVISION, LONG BEACH, CALIF. 90801.